

What is claimed is:

1. A device for melt extrusion spinning and cooling of a filament bundle by a spinning device comprising an annular spinning jet and a cooling device arranged below the spinning device, wherein the cooling device comprises a blowing chamber for directing a coolant stream onto the filament bundle and a holding device for engaging the blowing chamber between the spinning device and the holding device in an operating position of the blowing chamber substantially centrally to the spinning jet, the blowing chamber being displaceable axially relative to the holding device between the operating position and a replacement position.

2. The device according to claim 1, wherein the blowing chamber and the holding device are detachably connected to one another to facilitate replacement of the blowing chamber in the replacement position.

3. The device according to claim 1, wherein a biasing device is operative between the blowing chamber and the holding device for urging the blowing chamber into engagement between the holding device and the spinning device in the operating position.

4. The device according to claim 3, wherein the biasing device comprises a spring operative to exert a displacement force on the blowing chamber in the direction of the spinning device toward the operating position and wherein the spinning device comprises a stop for defining the operating position of the blowing chamber.

5. The device according to claim 3, wherein the biasing device is lockable in the replacement position of the blowing chamber.

6. The device according to claim 1, wherein the blowing chamber is connected at an end thereof facing the holding device to a tubular connection element, the holding device comprises a tubular receiving element for receiving the connection element, and the connection element and the receiving element are connected to one another by insertion of one thereof into the other thereof for relative movement of the connection element and the receiving element.

7. The device according to claim 6, wherein the blowing chamber and the connection element are detachably connected to one another.

8. The device according to claim 6, wherein an annular space is formed between the connection element and the receiving element and that a spring is disposed in the annular space between the connection element and the receiving element.

9. The device according to claim 6, wherein a plurality of guide elements guide shifting, rotating and locking movements of the connection element relative to the receiving element.

10. The device according to claim 1, wherein a preparation device is disposed on the holding device under the blowing chamber, the preparation device comprising a preparation ring for contact by the filament bundle.

11. The device according to claim 10, wherein the preparation ring comprises a plurality of ceramic disks.

12. The device according to claim 1, wherein the holding device is adjustable either or both elevationally and rotationally relative to the spinning device.

20072444.020302